abcam

ab314026

Anti-MAS1L antibody [15B8]

Recombinant

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.88% Sodium chloride
Form	Liquid
Clonality	Monoclonal
Immunogen	Synthetic Peptide within Human MAS1L. Database link P35410
Clone number	15B8
Purification technique	Affinity purification
Concentration	0.4 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Human
Dilution info	1/500 - 1/2000
Notes	-

Species	Rat

Dilution info	1/500 - 1/2000
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/50 - 1/200
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	1/50 - 1/200
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information MAS1L

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	MAS1L sometimes referred to as MAS1-like is a protein encoded by the MAS1L gene. Its mass is approximately 37 kDa. This protein is expressed in various tissues including the central nervous system and certain peripheral tissues. MAS1L is an integral membrane protein and it localizes on the cell surface which indicates its potential involvement in signaling processes. As a G protein-coupled receptor it plays a role in transmitting signals across the cell membrane.
Biological function summary	MAS1L functions within the context of signal transduction. It engages in biological processes by potentially forming complexes with other proteins or molecules that facilitate signaling activities. This protein's ability to interact with G proteins suggests its involvement in activating downstream cellular responses influencing various cellular functions such as growth differentiation or communication between cells. The MAS1L's role in signaling implicates it in maintaining normal cellular activity and responding to environmental cues.
Pathways	MAS1L engages in signaling cascades potentially linked to the renin-angiotensin system and other related pathways that influence cardiovascular functions. In the renin-angiotensin system similar receptors like the MAS1 receptor participate

	suggesting that MAS1L could share functional similarities. The renin-angiotensin pathway plays an important role in regulating blood pressure and fluid balance and any interaction involving MAS1L might contribute to these physiological processes.
Associated diseases and disorders	Abnormal expression or mutation of MAS1L could relate to cardiovascular diseases and neurological disorders. Dysfunctional signaling through MAS1L might contribute to the pathology of hypertension a condition in which the MAS1 receptor also plays a significant role highlighting potential overlap in their functional pathways. Furthermore disruptions in MAS1L activity might affect neurological functions linking it to conditions that compromise nervous system integrity.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

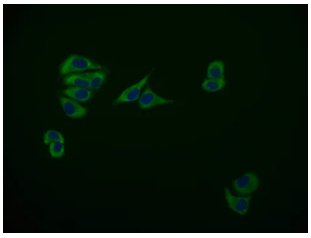
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

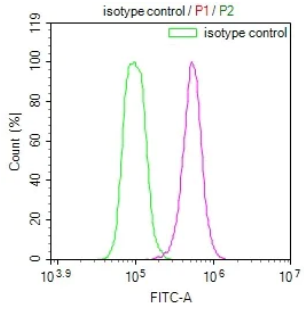
3 product images



Immunocytochemistry/ Immunofluorescence - Anti-MAS1L antibody [15B8] (ab314026)

Immunofluorescence staining of HeLa (Human epithelial cell line from cervix adenocarcinoma) cells with ab314026 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody

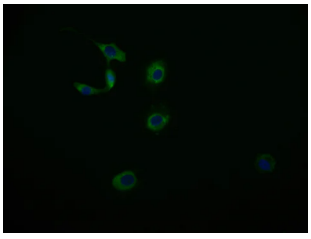
overnight at 4°C. The secondary antibody was Alexa Fluor® 595-conjugated Goat Anti-Rabbit IgG(H+L).



Flow Cytometry - Anti-MAS1L antibody [15B8] (ab314026)

MAS1L Flow Cytometry staining of HeLa cells using rabbit Anti-MAS1L antibody

Overlay Peak curve showing HeLa (Human epithelial cell line from cervix adenocarcinoma) cells stained with ab314026 (pink line) at 1:100. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1x10E6 cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG (H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was rabbit IgG (1ug/1x10E6 cells) used under the same conditions. Acquisition of >10,000 events was performed.



Immunocytochemistry/ Immunofluorescence - Anti-MAS1L antibody [15B8] (ab314026)

Immunofluorescence staining of MCF7 (Human breast adenocarcinoma cell line) cells with ab314026 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor® 595-conjugated Goat Anti-Rabbit IgG(H+L).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.